

Title (en)  
APPARATUS AND METHOD FOR DIGITAL DATA CONTINUOUSLY INPUT OR OUTPUT

Publication  
**EP 0390049 A3 19930505 (EN)**

Application  
**EP 90105759 A 19900327**

Priority  
JP 7756389 A 19890328

Abstract (en)  
[origin: EP0390049A2] The present invention realizes that the information necessary to be continuously inputted, outputted in time, namely, the audio and the picture information are inputted, outputted into a file apparatus as the digital data. Conventionally, the continuous inputting, outputting operations of the audio and the picture information and the editing operation such as deletion, insertion and so on could not be made compatible in instantaneousness. But in the present invention, the individual size is continuously stored into the storage media physically, and the input, output of the data and the storage reproduction with the storage media are effected in the non-synchronization, with the size of the input/output buffer, the unit of the input/output of the audio and the picture information, and the unit of the edition being the same in size so as to realize the instantaneousness and the continuous input/output operations of the edition.

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**G06F 3/00** (2013.01 - KR); **G11B 27/034** (2013.01 - EP US); **Y10S 707/99945** (2013.01 - US); **Y10S 707/99948** (2013.01 - US)

Citation (search report)  
• [A] EP 0268270 A2 19880525 - MATSUSHITA ELECTRIC IND CO LTD [JP]  
• [A] EP 0051259 A2 19820512 - TOKYO SHIBAURA ELECTRIC CO [JP]  
• [A] EP 0051225 A1 19820512 - TOKYO SHIBAURA ELECTRIC CO [JP]  
• [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 292 (P-406)(2015) 19 November 1985 & JP-A-60 129 987 ( NIPPON COLUMBIA K.K. ) 11 July 1985

Cited by  
EP0510639A3; US5519684A; US5974015A; US5581530A

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